

Abstract

A temperature controlled arrangement is provided for housing an optical component such as a laser diode that may be employed in a CATV system. The arrangement includes a package having an enclosure through which a plurality of electrical connections extend. At least one optical component is located in the enclosure and electrically connected to at least one of the electrical connections. A first thermoelectric cooler is also located in the enclosure and in thermal conduction with the optical component. A temperature sensor is located in the enclosure and electrically connected to at least one of the electrical connections. A second thermoelectric cooler, which is located external to the enclosure, is in thermal conduction with the enclosure.